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1 FeedMe: a collaborative alert filtering system

Shital Sen, Werner Geyer, Michael Muller, Marty Moore, Beth Brownholtz, November 2006 CSCW '06: Proceedings of the 2006 20th anniversary conference supported cooperative work

Publisher: ACM

Full text available: [PDF](#) (657.65 KB) Additional Information: [full citation](#), [abstract](#), [related publications](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 246, Citation Count: 10

As the number of alerts generated by collaborative applications grows, it becomes increasingly difficult to manage unwanted alerts. FeedMe is a general alert management system based on a distributed architecture that supports alert filtering and aggregation using standard protocols such as RSS and ATOM. In addition to traditional rule-based alert filtering, FeedMe also supports a bayesian filtering mechanism that can learn user preferences over time.

Keywords: activity explorer, alert filtering, attention management, bayesian filtering, interruption management

2 Techniques and tools for analyzing intrusion alerts

Peng Ning, Yun Cui, Douglas S. Reeves, Dingbang Xu, May 2004 Transactions on Information and System Security (TISSE)

Publisher: ACM

Full text available: [PDF](#) (1.55 MB) Additional Information: [full citation](#), [abstract](#), [related publications](#)

Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 412, Citation Count: 10

Traditional intrusion detection systems (IDSs) focus on low-level attack detection and response. They analyze individual alerts independently, though there may be logical connections between them. In this paper, we propose a framework for detecting and responding to intensive attacks, not only will actual alerts be detected and responded to, but they will also be correlated with other alerts to detect and respond to more serious attacks.

Keywords: Intrusion detection, alert correlation, security management

3 Visualizing geospatial data

Theresa Marie Rhyne, Alan MacEachren, Theresa Marie Rhyne, August 2004 SIGGRAPH '04: SIGGRAPH 2004 Course Notes

Publisher: ACM

Full text available: [PDF](#) (14.01 MB) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 143, Downloads (12 Months): 962, Citation Count: 10

This course reviews concepts and highlights new directions in GeoVisual levels of integrating geospatial data and geographic information system information visualization (VIS) methods. These include:• ...

4 Seeing, hearing, and touching: putting it all together

 Brian Fisher, Sidney Fels, Karon MacLean, Tamara Munzner, Ronald Rensin

August 2004 SIGGRAPH '04: SIGGRAPH 2004 Course Notes

Publisher: ACM

Full text available:  Pdf (20.64 MB)

Additional Information: [full citation](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 323, Downloads (12 Months): 1796, Citation

5 Communications of the ACM: Volume 51 Issue 6

 June 2008 Communications of the ACM

Publisher: ACM

Full text available:  Digital Edition ,  Pdf (8.89 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 594, Downloads (12 Months): 1498, Citation

6 Aesthetic and auditory enhancements for multi-stream information sc

 Heng Jun Song, Kirsty Beilharz

September 2008 DIMEA '08: Proceedings of the 3rd international conference on Media in Entertainment and Arts

Publisher: ACM

Full text available:  Pdf (9.46 MB)

Additional Information: [full citation](#), [abstract](#), [related](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 21, Citation

Sonification is an emerging modality of information representation, the visualization employing non-speech sound to display attributes of form, trends in abstract data. Like data-art or visual and auditory ...

Keywords: auditory stream segregation, concurrent auditory graphing, spatialization, timbre

7 User interfaces for privacy agents

 Lorrie Faith Cranor, Praveen Guduru, Manjula Arjula

June 2006 Transactions on Computer-Human Interaction (TOCHI) , 1(1)

Publisher: ACM

Full text available:  Pdf (1.82 MB)

Additional Information: [full citation](#), [abstract](#), [related](#)

Bibliometrics: Downloads (6 Weeks): 67, Downloads (12 Months): 457, Citation

Most people do not often read privacy policies because they tend to be long and hard to understand. The Platform for Privacy Preferences (P3P) addresses this problem by providing a standard machine-readable format for website privacy policies. P3P ...

Keywords: P3P, preferences, privacy, privacy enhancing technology, privacy

8 A Taxonomy of free Network Sniffers for teaching and research

 Victor A. Clincy, Nael Abu-Halaweh

October 2005 Journal of Computing Sciences in Colleges , Volume 21 Issue 1

Publisher: Consortium for Computing Sciences in Colleges

Full text available:  Pdf (678.89 KB) Additional Information: full citation, abstract, related index term

Bibliometrics: Downloads (6 Weeks): 24, Downloads (12 Months): 149, Citation Index: 1

Today's networking environment has become very complex. Networks have increased rapidly and have come to support more complex applications. As a result, maintaining networks has become cumbersome and has created the need for new tools.

9 Disruption and recovery of computing tasks: field study, analysis, and design

 Shamsi T. Iqbal, Eric Horvitz

April 2007 CHI '07: Proceedings of the SIGCHI conference on Human factors in computing systems
Publisher: ACM

Full text available:  Pdf (632.55 KB) Additional Information: full citation, abstract, related index term

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 197, Citation Index: 1

We report on a field study of the multitasking behavior of computer users during suspension and resumption of tasks. Data was collected with a tool that monitors the user's interaction with software applications and their associated windows, as well as the user's attention to those windows.

Keywords: attention, interruption, notifications, task switching

10 SmartSiren: virus detection and alert for smartphones

 Jerry Cheng, Starsky H.Y. Wong, Hao Yang, Songwu Lu

June 2007 MobiSys '07: Proceedings of the 5th international conference on Mobile systems, applications and services
Publisher: ACM

Full text available:  Pdf (534.00 KB) Additional Information: full citation, abstract, related index term

Bibliometrics: Downloads (6 Weeks): 64, Downloads (12 Months): 385, Citation Index: 1

Smartphones have recently become increasingly popular because they provide convenience by integrating traditional mobile phones with handheld computers. The flexibility of running third-party softwares also leaves the smartphone open to viruses.

Keywords: alert, privacy, security, smartphone, virus detection

11 Gist summaries for visually impaired surfers

 Simon Harper, Neha Patel

October 2005 Assets '05: Proceedings of the 7th international ACM SIGACCESS conference on Computers and accessibility
Publisher: ACM

Full text available:  Mov (29:6 MIN),  Pdf (2.19 MB) Additional Information: full citation, abstract, related index term

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 92, Citation Index: 1

Anecdotal evidence suggests that Web document summaries provide the basis for making decisions regarding the route to take within non-linear text; this study shows that sighted people use 'Gist' summaries as decision aids.

Keywords: document engineering, tools, visual impairment, web

12 Interface design for an aircraft thrust and braking indicator/advisor S. D. Pinder, D. N. Bristow, T. C. DaviesNovember 2006 OZCHI '06: Proceedings of the 20th conference of the com
special interest group (CHISIG) of Australia on Computer-h
activities, artefacts and environments

Publisher: ACM

Full text available:  Pdf (312.13 KB)Additional Information: [full citation](#), [abstract](#), [related publications](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 54, Citation (

Recent advances in the development of aircraft landing and takeoff performance systems (Pinder, 2003) have shown the feasibility of a cockpit interface significantly in the decision making process during the most critical phase of flight.

Keywords: auditory interfaces, aviation, bimodal user interfaces, cockpit displays, aircraft, landing and takeoff, decision making

13 An instant semantics acquisition system of live soccer video with approach and on-the-fly language selection Xinguo Yu, Xin Yan, Liyuan Li, Hon Wai LeongJuly 2008 CI VR '08: Proceedings of the 2008 international conference on
video retrieval

Publisher: ACM

Full text available:  Pdf (630.70 KB)Additional Information: [full citation](#), [abstract](#), [related publications](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 26, Citation (

Automatic indexing of recorded sports video is a hard problem, even more so though a lot of advances have been achieved in the recent years. This paper presents an automatic instant semantics generation system of live soccer ...

Keywords: Gamelog, icon-based input, instant semantics acquisition, language selection, sports video

14 Statistical techniques for detecting traffic anomalies through packet header analysis

Seong Soo Kim, A. L. Narasimha Reddy

June 2008 IEEE/ ACM Transactions on Networking (TON) , Volume 16 Issue 3

Publisher: IEEE Press

Full text available:  Pdf (2.90 MB)Additional Information: [full citation](#), [abstract](#), [related publications](#)

Bibliometrics: Downloads (6 Weeks): 70, Downloads (12 Months): 135, Citation (

This paper proposes a traffic anomaly detector, operated in postmortem mode, passively monitoring packet headers of traffic. The frequent attacks on the network, using various forms of denial of service attacks, have led to ...

Keywords: egress filtering, network attack, packet header, real-time network monitoring, statistical analysis of network traffic, time series of address correlation, traffic analysis

15 Comparing the effects of visual-auditory and visual-tactile feedback on learning meta-analysis

Jennifer L. Burke, Matthew S. Prewett, Ashley A. Gray, Liuquin Yang, Fredrik Hagberg

Coover, Linda R. Elliot, Elizabeth Redden
November 2006 ICMI '06: Proceedings of the 8th international conference on
Publisher: ACM
Full text available:  Pdf (387.08 KB) Additional Information: full citation, abstract, related publications
Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 220, Citation Count: 0

In a meta-analysis of 43 studies, we examined the effects of multimodal feedback on performance, comparing visual-auditory and visual-tactile feedback to visual feedback. Results indicate that adding an additional modality to visual feedback ..

Keywords: meta-analysis, multimodal interface, visual-auditory feedback

16 News to go: hierarchical text summarization for mobile devices

 Jahna Otterbacher, Dragomir Radev, Omer Karim
August 2006 SIGIR '06: Proceedings of the 29th annual international ACM SIGIR conference on Research and development in information retrieval
Publisher: ACM

Full text available:  Pdf (676.45 KB) Additional Information: full citation, abstract, related publications
Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 162, Citation Count: 0

We present an evaluation of a novel hierarchical text summarization method for generating view summaries of Web documents from small, mobile devices. Unlike previous approaches, our system does not require the documents to be in HTML since it infers ...

Keywords: mobile computing, summarization

17 Webformulate: a web-based visual continual query system

 Jennifer Leopold, Meg Heimovics, Tyler Palmer
May 2002 WWW '02: Proceedings of the 11th international conference on World Wide Web
Publisher: ACM

Full text available:  Pdf (423.60 KB) Additional Information: full citation, abstract, related publications
Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 33, Citation Count: 0

Today there is a plethora of data accessible via the Internet. The Web has revolutionized the process of searching for, accessing, and sharing information. However, much of the Internet-distributed data still goes unnoticed and unutilized, ...

Keywords: continual query, visual programming language, visual querying

18 Communications of the ACM: Volume 51 Issue 5

 May 2008 Communications of the ACM
Publisher: ACM

Full text available:  Digital Edition ,  Pdf (7.28 MB) Additional Information: full citation, abstract, related publications
Bibliometrics: Downloads (6 Weeks): 550, Downloads (12 Months): 1218, Citation Count: 0

19 Path seeds and flexible isosurfaces using topology for exploratory visualization

Hamish Carr, Jack Snoeyink
May 2003 VISSym '03: Proceedings of the symposium on Data visualisation

Publisher: Eurographics Association

Full text available:  Pdf (976.19 KB) Additional Information: [full citation](#), [abstract](#), [cit](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 53, Citation (

Morse theory and the Reeb graph give topological summaries of the bet functions. The contour tree augments the Reeb graph for the isosurface sets, which are starting points for extracting isosurfaces ...

20 Managing battery lifetime with energy-aware adaptation

 Jason Flinn, M. Satyanarayanan

May 2004 Transactions on Computer Systems (TOCS) , Volume 22 Issue
Publisher: ACM

Full text available:  Pdf (1.61 MB) Additional Information: [full citation](#), [abstract](#), [re](#)

Bibliometrics: Downloads (6 Weeks): 25, Downloads (12 Months): 195, Citation (

We demonstrate that a collaborative relationship between the operating system and the application can be used to meet user-specified goals for battery duration. We first propose a novel power-based approach for accurately measuring application and ...

Keywords: Power management, adaptation

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